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<b>(21) International Application Number:</b> PCT/US98/23496 <b>(22) International Filing Date:</b> 4 November 1998 (04.11.98)  <b>(30) Priority Data:</b> 60/086,232 10 November 1997 (10.11.97) US  <b>(71) Applicant (for all designated States except US):</b> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> INSEL, Paul, A. [US/US]; 3364 Eton Avenue, San Diego, CA 92122 (US); HERMANN, Volker [US/US]; 3962 Jewell Street #T 308, San Diego, CA 92109 (US); BUESCHER, Rainer [US/US]; 8138 Regents Road #101, San Diego, CA 92122 (US).  <b>(74) Agent:</b> BERLINER, Robert; Fulbright & Jaworski L.L.P., 29th floor, 865 S. Figueroa Street, Los Angeles, CA 90017-2576 (US).		<b>(81) Designated States:</b> CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> METHODS AND COMPOSITIONS FOR IDENTIFYING VARIATIONS IN HUMAN $\alpha_{1B}$ - AND $\beta_2$ -ADRENERGIC RECEPTOR GENES		
<b>(57) Abstract</b>  The present invention provides compositions and methods for a rapid and specific amplification of large segments of the coding sequence of the human $\beta_2$ -adrenergic receptor gene and the human $\alpha_{1B}$ -adrenergic receptor gene. The invention also provides means for identifying genetic alterations in these receptors that were previously not amenable to routine and automated genetic analysis. Furthermore, the invention provides a simple and inexpensive method for diagnosing diseases based on the genetic alterations in these receptors.		